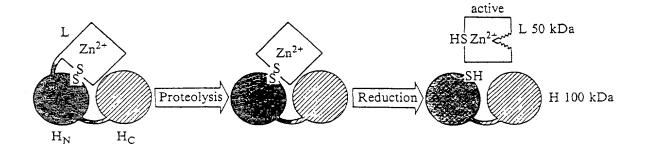
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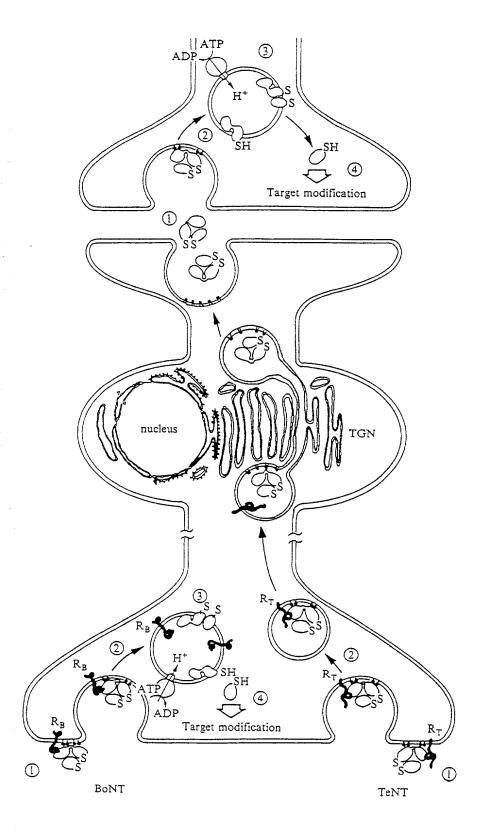
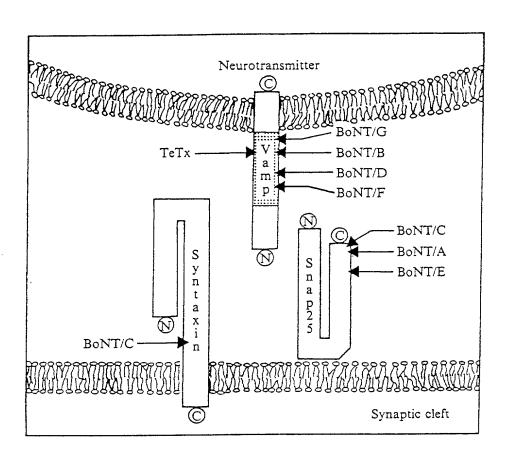
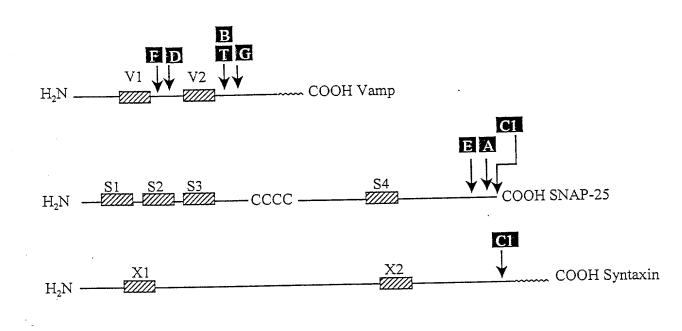
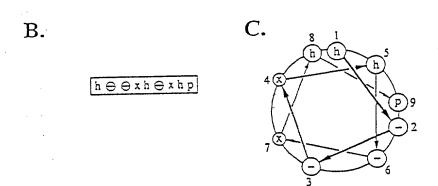


FIGURE 2

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1 MAEDADWRNBIERMORRADOLADESLESTRRWLOLWBESKDAGIRTIVWLDEGGEGLERIEEGWDCINWAEDADWRNBIERMORRADOLADESLESTRRWLOLWBESKDAGIRTLVWLDEGGEGLERIEEGWDCIN MPADPSREVAPOVPRTELEELOLNAGGVADESLESTRRWLATCEESKEAGIRTLVALDDGGEGLDRIEEGWDCIN	76 KDWKEABKNLTDLGKFCGLCVCPCNKLKSSDAYKKAWGNNODGVWAS-OPARVVDEREONAISGGFTRRVTN 69) KDWKEABKNLTDLGKFCGLCVCPCNKLKSSDAYKKAWGNNODGVWAS-OPARVVDEREONAISGGFTRRVTN 76) ADWREABKNLTDLGNLGCLCVLPCNKSQSFKEDDGTWKGNDDGKWVNNOPORVWDDRNGMAQAGYIGRINN 76) KDWKEABKNLTDLGNLGCLCVCPCPCNKLKGGGQSWGNNODGKWVNNSHOPRWEDDROGCGGNASMITRITN 71) TDWREABKNLTGLEKCGLCVCPWKKLGNFEKGDDYKKTWRGNDDGWWS-OPARVVDEREOMAISGGFTRRVTN 71) TDWREABKNLTGLEKCGCLCVCPWKKLGNFEKGDDYKKTWRGNDDGWWS-OPARVVDEREOMAISGGFTRRVTN 76) ODWREABKNLTGLEKCGCLCVCPWKKLGNFEKGDDYKKTWRGNDDGWWS-OPARVVDEREOUATSGGFTRRVTN 76)	151 140) DARENEMDENLEGOVSGIIGNIDREMALDWGNEIDTONROIDRIMEKADSNKTRIDEANORATKMIGSG (140) DARENEMDENLEGOVSGIIGNIDREMALDWGNEIDTONROIDRIMEKADSNKTRIDEANORATKMIGSG (148) DAREDENEMWGOVNTMIGNIDREMALDWGSELENONROIDRINRKGESNEARIAVANORATKMIGSG (137) DARENEMDENLEGOVGSIIGNIDREMAIDWGSEIGAONSOVGRITSKAESNEARIAVANORATKMIGSG (146) DARENEMDENLIGOVSGIIGNIDREMAIDWGSEIGAONSOVGRITSKAESNEGRINSADKRAKNIHRNK (140) DARENEMDENLIGGOVSGIIGNIDREMAIDWGNEIDRIMEKLIPIKPGIMKPISVQORGSAVVKCSKVHFL
	00000	
SNAP-25 Human SNAP-25 Mouse SNAP-25 Drosophila SNAP-25 Goldfish SNAP-25 Sea Urchin SNAP-25 Chicken	SNAP-25 Human SNAP-25 Mouse SNAP-25 Drosophila SNAP-25 Goldfish SNAP-25 Sea Urchin SNAP-25 Chicken	SNAP-25 Human SNAP-25 Mouse SNAP-25 Drosophila SNAP-25 Goldfish SNAP-25 Sea Urchin SNAP-25 Chicken

FIGURE 5

(207) -----

SNAP-25 Human SNAP-25 Mouse

226

Attorney Docket: P-AR 4802 Inventors: Steward et al.

(1) ----MSAPAAGPPAAAPGOAPO (1) -----MAAP VAMP-1 HUMAN (1) MSAPAOPPAEGTEGTAPG-GGPPV VAMP-2 HUMAN (1) ---MSATTATTATTAPPAAPAGEGGPPV VAMP-2 MOUSE (1) ---MSATAATVPPAAPAGEGGPP, VAMP BOVINE (1) ---MSATAATAPPAAPAGEGGEPP (71) (57) (13) (75)(13) (13) VAMP Bovine VAMP-1 HUMAN VAMP-2 HUMAN VAMP-2 MOUSE VAMP-2 Frog VAMP-2 Frog VAMP Sea urchin VAMP Sea urchin

FIGURE 6

Attorney Docket: P-AR 4802

Steward et al.

Inventors:

EOEBGLNRSSM SAKMIS KRNE-EDDVGPEVAVNVE-SEKF KAÄQSEDEQDDDMHMDTG-NAQY RSAK-DSDDBEEY-VHVD-RDH RTAK-DSDDDDVTVTVD-RDR HAAQSDDEETTEVAVNVDGHDSY RTAK-DSDDDDDVAVTVD-RDRI (148)(148)(147)(151)(148)Syntaxin A C. elegans (149) 233333 (73) (75) (73) (73) (72) Syntaxin la drosophila (76) Syntaxin A C. elegans Syntaxin Sea urchin Syntaxin la drosophila Syntaxin Sea urchin Syntaxin la drosophila Syntaxin A C. elegans human human human Syntaxin 1A mouse Syntaxin 1A human Syntaxin 1A mouse mouse Syntaxin Sea urchin Syntaxin 1A human human Syntaxin 1A Syntaxin 1B2 Syntaxin 1A Syntaxin 1B2 Syntaxin 1B2

SVTGVILITGLIIFTLFYAKVL

ATCCGVALGILVLVLIIVLA--

CLTVLGILAASYVSSYFM--

CCVVLGVVLASSIGGTLGL-

ICCVILCIIIASTIGGIFG-

ITCCVILGIVIASTVGGIFA--

(223)

Syntaxin 1A human

(222)

human

Syntaxin 1B2

(223)(226) (224)

> Syntaxin la drosophila Syntaxin A C. elegans

Syntaxin 1A mouse

(223)

Syntaxin Sea urchin